

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott A. MITCHELL, et al.

Serial No.: 10/776,002

Filed: 02/10/04

For: CERTAIN 8-HETEROARYL-6-PHENYL-  
IMIDAZO[1,2-a]PYRAZINES AS  
MODULATORS OF KINASE ACTIVITY

)  
) Group Art Unit: NYA  
)  
)  
) Examiner: NYA  
)  
)  
)  
)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Dear Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

DE 43 37 609 A1, one of the documents listed on attached Form PTO-1449, is not in English. As required by 37 C.F.R. §1.98(a)(3) applicants have provided below a concise explanation of the relevance of this reference, as well as an Abstract of the PCT counterpart, WO 95/12592. Applicants do not have a translation of this document, but understand it to be directed to pyrazine carboxamide derivatives, for example, those in Table 6 at the top of page 12 and Tables 9 and 9a on pages 14-15. These compounds all have a pyrazine group at the position of W in Formula I of the application and either hydrogen, alkyl, or halogen at the 6-position of the

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Scott A. Mitchell, et al.

Docket No.

CGI-0014

Serial No.

10/776,002

Filing Date

February 10, 2004

Examiner

Not Assigned

Group Art Unit

Not Assigned

Invention: Certain Heteroaryl-6-Phenyl-Imidazo[1,2-a]Pyrazines As Modulators Of Kinase Activity

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imidazo[1,2-a]pyrazine core. Compounds disclosed in the application have a substituted phenyl or pyridyl at the 6-position of the imidazo[1,2-a]pyrazine core.

Respectfully submitted,

CANTOR COLBURN LLP

By: 

Leah M. Reimer  
Reg. No. 39,341

Date: May 6, 2004  
Customer No. 23,413  
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
CGI-0014

In Re Application Of  Scott A. Mitchell, et al.

Serial No.  
10/776,002

Filing Date  
02/10/2004

Examiner  
NYA

Group Art Unit  
NYA

Title: Certain 8-Heteroaryl-6-Phenyl-Imidazo[1,2-a]Pyrazines As Modulators Of Kinase Activity

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**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
CGI-0014

In Re Application: **Scott A. Mitchell, et al.**

Serial No.  
10/776,000

Filing Date  
02/10/2004

Examiner  
NYA

Group Art Unit  
NYA

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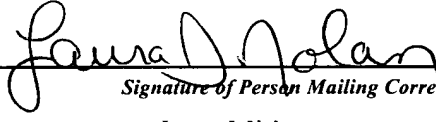
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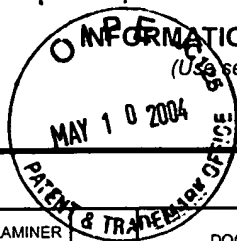
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (Optional) CGI-0014		Application Number 10/776,002	
				Applicant(s) Scott A. Mitchell, et al.			
				Filing Date 02/10/2004		Group Art Unit NYA	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,593,997	01/14/1997	Dow et al.				
	5,658,857	08/19/1997	Andree et al.				
	5,783,576	07/21/1998	Roos et al.				
FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	DE 43 37 609 A1	11.5.95	Germany				✓
	WO 88/04298	16.06.88	International				
	WO 95/12594	11.05.95	International				
	WO 96/04298	15.02.96	International				
	WO 96/34866	07.11.96	International				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Jeffery, Trina K., et al., "Phosphodiesterase III and V Inhibitors on Pulmonary Artery from Pulmonary Hypertensive Rats: Differences Between Early and Established Pulmonary Hypertension" Journal of Cardiovascular Pharmacology 1998, volume 32, no. 2, pages 213-219					
		Hanks, Steven K., "Hanks Classification" 1994, Pages 1-4 <a href="http://pkr.sdsc.edu/html/pk_catalytic/pk_hanks_class.html">http://pkr.sdsc.edu/html/pk_catalytic/pk_hanks_class.html</a>					
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CGI-0014

SERIAL NO.

10/776,002

Scott A. Mitchell, et al.

FILING

February 10, 2004

GROUP

NYA

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 99/28322	10.06.99	International				
	WO 01/27119 A2	19.04.2001	International				
	WO 02/30428 A1	18.04.2002	International				
	WO 02/060492 A1	08.08.2002	International				
	WO 02/10170 A1	07.02.2002	International				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Lumma, William C., et al., "Piperazinylimidazo [1,2-a]pyrazines with Selective Affinity for in Vitro ____-Adrenergic Receptor Subtypes" J. Med. Chem. 1983, Volume 26, pages 357-363
		"Protein Kinases in Disease" <a href="http://bioinformatics.weizmann.ac.il/Kinases/pkr/pk_medicine.html">http://bioinformatics.weizmann.ac.il/Kinases/pkr/pk_medicine.html</a>

EXAMINER

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